Aeronautics Educator Guide			
2005 Mathematics			
Content and Achievement Standards			
North Dakota Mathematics			
Grade 2			
Activity/Lesson	**State**	**Standards**	
Air Engines (12-16)	ND	MA.2.2.4.7	Estimate and measure length to the nearest inch, half-inch, foot, or centimeter
Air Engines (12-16)	ND	MA.2.2.4.9	Compare and order given lengths, capacities, weights, or temperatures that are expressed in the same unit of measure
Rotor Motor (69-75)	ND	MA.2.2.3.3	Formulate and answer simple questions from data represented by graphs
Flight: Interdisciplinary Learning Activities (76-79)	ND	MA.2.2.1.1	Count and order numbers up to 1,000
We Can Fly, You and I: Interdisciplinary Learning (107-108)	ND	MA.2.2.4.11	Select the appropriate units for measuring time, length, weight, and temperature
Paper Bag Mask (23-28)	ND	MA.2.2.4.7	Estimate and measure length to the nearest inch, half-inch, foot, or centimeter
Wind in Your Socks) (29-35)	ND	MA.2.2.4.7	Estimate and measure length to the nearest inch, half-inch, foot, or centimeter
Wind in Your Socks) (29-35)	ND	MA.2.2.4.9	Compare and order given lengths, capacities, weights, or temperatures that are expressed in the same unit of measure
Wind in Your Socks) (29-35)	ND	MA.2.2.4.11	Select the appropriate units for measuring time, length, weight, and temperature
Right Flight (52-59)	ND	MA.2.2.4.9	Compare and order given lengths, capacities, weights, or temperatures that are expressed in the same unit of measure
Delta Wing Glider (60-68)	ND	MA.2.2.4.9	Compare and order given lengths, capacities, weights, or temperatures that are expressed in the same unit of measure
Aeronautics Educator Guide			
2005 Mathematics			
Content and Achievement Standards			
North Dakota Mathematics			
Grade 3			
Activity/Lesson	**State**	**Standards**	
Air Engines (12-16)	ND	MA.3.3.4.5	Estimate and measure to the nearest half inch or centimeter
Air Engines (12-16)	ND	MA.3.3.4.8	Select a variety of tools for measuring length, weight, and capacity
Plan to Fly There (97-106)	ND	MA.3.3.4.2	Determine elapsed time by the hour
We Can Fly, You and I: Interdisciplinary Learning (107-108)	ND	MA.3.3.4.2	Determine elapsed time by the hour

Paper Bag Mask (23-28)	ND	MA.3.3.4.5	Estimate and measure to the nearest half inch or centimeter
Paper Bag Mask (23-28)	ND	MA.3.3.4.8	Select a variety of tools for measuring length, weight, and capacity
Wind in Your Socks) (29-35)	ND	MA.3.3.3.5	Use a simple probability experiment to collect data, display the data in a graph, and interpret the likelihood of the outcome
Aeronautics Educator Guide			
2005 Mathematics			
Content and Achievement Standards			
North Dakota Mathematics			
Grade 4			
Activity/Lesson	**State**	**Standards**	
Air Engines (12-16)	ND	MA.4.4.4.2	Estimate and measure length to the nearest quarter inch
Rotor Motor (69-75)	ND	MA.4.4.3.3	Organize and display data in line graphs and circle graphs
Rotor Motor (69-75)	ND	MA.4.4.3.4	Read, interpret, and generate questions from data displayed in graphs; i.e., line graphs and circle graphs
Plan to Fly There (97-106)	ND	MA.4.4.4.5	Apply the concept of elapsed time; i.e., schedules and calendars
We Can Fly, You and I: Interdisciplinary Learning (107-108)	ND	MA.4.4.4.5	Apply the concept of elapsed time; i.e., schedules and calendars
Dunked Napkin (17-22)	ND	MA.4.4.3.2	Collect and record data
Dunked Napkin (17-22)	ND	MA.4.4.3.9	Make predictions and draw conclusions from simple probability experiments
Paper Bag Mask (23-28)	ND	MA.4.4.3.9	Make predictions and draw conclusions from simple probability experiments
Paper Bag Mask (23-28)	ND	MA.4.4.4.2	Estimate and measure length to the nearest quarter inch
Wind in Your Socks) (29-35)	ND	MA.4.4.3.2	Collect and record data
Wind in Your Socks) (29-35)	ND	MA.4.4.3.3	Organize and display data in line graphs and circle graphs
Wind in Your Socks) (29-35)	ND	MA.4.4.3.4	Read, interpret, and generate questions from data displayed in graphs; i.e., line graphs and circle graphs
Right Flight (52-59)	ND	MA.4.4.3.9	Make predictions and draw conclusions from simple probability experiments
Delta Wing Glider (60-68)	ND	MA.4.4.3.9	Make predictions and draw conclusions from simple probability experiments